

Biomedical Sciences

UNDERGRADUATE MAJOR

With a major in **Biomedical Sciences (BISC)**, you will study the sciences from a human perspective to develop a solid foundation for a career in health care. The 33-credit major is composed of three required courses (anatomy, physiology and biochemistry) and other major requirements that allow students to select courses based on their interests and long-term goals.

BISC Course Options:

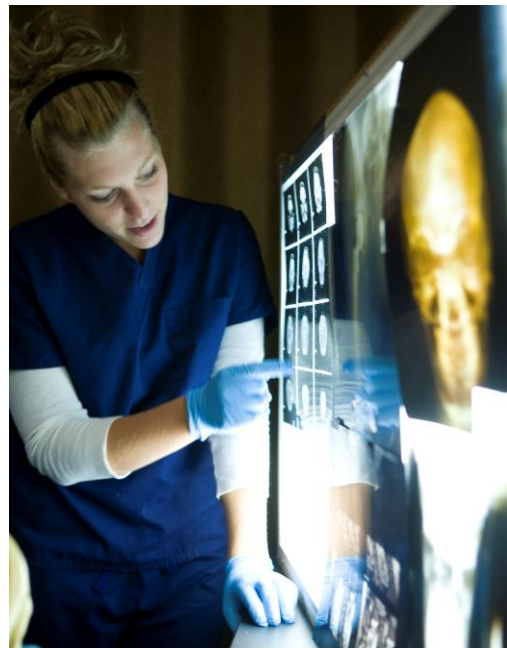
- ✓ Biology of Aging
- ✓ Diseases of the Brain
- ✓ Embryology
- ✓ Endocrinology
- ✓ Forensic Science
- ✓ Functional Neuroanatomy
- ✓ Gross Anatomy
- ✓ Head and Neck Anatomy
- ✓ Human & Applied Medical Genetics
- ✓ Human Microbiology
- ✓ Introduction to Dentistry
- ✓ Nutritional Aspects of Health
- ✓ Outbreaks, Epidemics & Pandemics
- ✓ Pharmacology
- ✓ Practical Cases in Medicine
- ✓ Principles of Human Embryology
- ✓ Public Health
- ✓ Systems Neuroscience

See reverse side for typical 4-year curriculum plan

High Impact Experiences:

- **Participate in Research** – independent study, Summer Research Program (SRP), or paid lab positions offer you opportunities for hands-on research experience.
- **BISC Disciplinary Honors Program** – in junior and senior years, complete a project focused on research or community engagement.
- **Flexible degree** – with only three required courses, the flexible curriculum of this major may allow you to study abroad, add a minor (or two) or complete a double major to create a degree tailored to your interests.
- **Work as a teaching assistant** – work as an anatomy lab TA starting your junior year.
- **Internship opportunities** – earn academic credit for completing an approved internship in biotech, non-profit, governmental/health industries, or bioethics.

For more information, scan the QR code or visit:
Marquette.edu/biomedical-sciences



Why BISC at MU?

- Human health science focus is a natural fit for medical school and other health-related graduate programs.
- Work with and learn from **internationally respected cutting-edge researchers** tackling some of society's most pressing medical problems.
- **Accelerated degree** options for MU graduate/ professional programs in dentistry, physical therapy, physician assistant, occupational therapy, and more.
- **Partnership** with the Medical College of Wisconsin for accelerated pathways to their Pharmacy and Global Health Equity programs.



MARQUETTE
UNIVERSITY

College of Health Sciences

Biomedical Sciences

Typical 4-year Curriculum

Freshman Year	
<i>FALL SEMESTER</i>	<i>SPRING SEMESTER</i>
General Biology 1*	General Biology 2*
General Chemistry 1*	General Chemistry 2*
MCC Foundations in Rhetoric	MCC Foundations in Philosophy
MCC Foundations in Theology	MCC Engaging Social Systems and Values 1
Contemporary Issues in Biomedical Sciences	General Elective
Sophomore Year	
<i>FALL SEMESTER</i>	<i>SPRING SEMESTER</i>
Clinical Human Anatomy	Biochemistry*
Organic Chemistry* (2 options)	Organic Chemistry 2* or General Elective
MCC Discovery – Humanities	Statistics*
General Elective/Writing Intensive (MCC)	General Elective/ESSV2 (MCC)
Core 1929 (MCC Foundations)	MCC Discovery – Social Science
Junior Year	
<i>FALL SEMESTER</i>	<i>SPRING SEMESTER</i>
Human Physiology	Anatomy and Systems Course
Anatomy and Systems Course	Cell and Molecular Course
Health and Society Foundation	MCC Discovery – Natural Science and Math
Biological Investigation*	General Elective
Physics I* or General Elective	Physics II* or General Elective
Senior Year	
<i>FALL SEMESTER</i>	<i>SPRING SEMESTER</i>
Cell and Molecular Course	Anatomy and Systems or Cell and Molecular
Biomedical Sciences Elective	Biomedical Sciences Elective
Medical Ethics	Disease and Pathology Foundation
MCC Discovery - Elective	MCC Culminating Course
General Elective	General Elective
<small>Major requirement courses denoted in blue; MCC = Marquette Core Curriculum (required of all MU students) * Denotes courses typically required as prerequisites to medical/dental/health professional schools</small>	

The depth and breadth of this major allows you to adjust your coursework to align with your goals and plans. Your assigned biomedical sciences academic adviser and pre-health adviser will work with you to make sure you are taking necessary courses and tracking appropriately to reach your career aspirations while also graduating on time.

